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1. A microstrip coupler, comprising:

a first microstrip conductor configured to carry

an input signal;

a second microstrip conductor disposed along a first side of the first microstrip conductor and configured to couple at least a portion of the input signal;

a third microstrip conductor disposed along a second side of the first microstrip conductor and configured to couple at least a portion of the input signal;

a first controlled capacitance bridge connecting second microstrip conductor and the third microstrip conductor, the controlled capacitance bridge comprising:

a conducting layer; and

dielectric layer situated between the conducting layer and the first microstrip conductor.

- The apparatus of claim 1, further comprising a second controlled capacitance bridge connecting the second microstrip conductor and the third microstrip conductor.
- The apparatus of claim 1, wherein the input 3. signal has even and odd modes and wherein the controlled

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capacitance bridge is configured to compensate for a difference in velocity between the even and odd modes.

- 4. The apparatus of claim 1, wherein the conducting layer comprises a metallized layer disposed along a first side of the dielectric layer, and wherein a capacitance is formed between the metallized layer and the first microstrip conductor.
- 5. The apparatus of claim 1, wherein the input signal has even and odd modes and wherein a width of a portion of the first microstrip conductor proximate the controlled capacitance bridge is configured to compensate for a difference in velocity between the even and odd modes.
- 6. An controlled capacitance bridge for connecting a first microstrip conductor and a second microstrip conductor of a microstrip coupler, wherein the first microstrip conductor is disposed along a first side of a third microstrip conductor configured to carry an input signal and the second microstrip conductor is disposed along a second side of the third microstrip conductor, the controlled capacitance bridge comprising:
 - a conducting layer; and
- a dielectric layer situated between the conducting layer and the third microstrip coupler.

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- 7. The apparatus of claim 6, wherein the input signal has even and odd modes and wherein the controlled capacitance bridge is configured to compensate for a difference in velocity between the even and odd modes.
- 8. The apparatus of claim 6, wherein the conducting layer comprises a metallized layer disposed along a first side of the dielectric layer, and wherein a capacitance is formed between the metallized layer and the first microstrip conductor.
 - 9. The apparatus of claim 7, wherein a width of the conducting layer is selected to compensate for the difference in velocity between the even and odd modes.
 - 10. The apparatus of claim 7, wherein a thickness of the dielectric layer is selected to compensate for the difference in velocity between the even and odd modes.
 - 11. A microstrip coupler, comprising:

an input microstrip conductor configured to carry an input signal;

a central microstrip conductor proximate the input microstrip conductor and separated from the input microstrip conductor by a first gap;

an output microstrip conductor proximate the central microstrip conductor and separated from the central microstrip conductor by a second gap;

a coupling microstrip conductor for coupling at 5 least a portion of the input signal;

- 12. a first controlled capacitance bridge for connecting the input microstrip conductor and the central microstrip conductor, the first controlled capacitance bridge comprising:
 - a first conducting layer; and
- a first dielectric situated between the first conducting layer and the first gap; and
- a second controlled capacitance bridge for connecting the central microstrip conductor and the output microstrip conductor, the second controlled capacitance bridge comprising:
 - a second conducting layer; and
- a second dielectric situated between the second conducting layer and the second gap.
- 20 13. The microstrip coupler of claim 11, wherein the coupling microstrip conductor comprises:
 - a first coupled portion disposed along a first side of the central microstrip conductor;

a second coupled portion disposed along a second side of the central microstrip conductor;

a first connecting portion extending through the first gap and beneath the first controlled capacitance bridge for connecting a first end of the first coupled portion and a first end of the second coupled portion; and

a second connecting portion extending through the second gap and beneath the second controlled capacitance bridge for connecting a second end of the first coupled portion and a second end of the second coupled portion.